

Figure 1

human beta 3 ORF (1) ATGCCTGCCTTCAATAGATTGTTTCCCCTGGCTTCTCTCGTGCTTATCTA  
Rat Beta 3 ORF (1) ATGCCTGCCTTCAACAGATTGCTTCCCCTAGCTTCTCTAGTGCTCATCTA  
Consensus (1) ATGCCTGCCTTCAA AGATTG TTCCCCT GCTTCTCT GTGCT ATCTA  
51 100

human beta 3 ORF (51) CTGGGTCAAGTGTCTGCTTCCCTGTGTGTGTGGAAGTGCCTCGGAGACGG  
Rat Beta 3 ORF (51) CTGGGTCAAGTGTCTGCTTCCCTGTGTGTGTGGAAGTGCCTCGGAGACAG  
Consensus (51) CTGGGTCAAG GTCTGCTTCCCTGTGTGTGTGGAAGTGCCTCGGAGAC G  
101 150

human beta 3 ORF (101) AGGCCGTGCAGGGCAACCCCATGAAGCTGCGCTGCATCTCCTGCATGAAG  
Rat Beta 3 ORF (101) AAGCGGTGCAGGGCAATCCCATGAAGCTGAGGTGCATCTCCTGCATGAAG  
Consensus (101) A GC GTGCAGGGCAA CCCATGAAGCTG G TGCATCTCCTGCATGAAG  
151 200

human beta 3 ORF (151) AGAGAGGAGGTGGAGGCCACCACGGTGGTGAATGGTTCTACAGGCCCGA  
Rat Beta 3 ORF (151) AGGAGAGGAGGTGGAGGCCACCACGTGGTGGAGTGGTTCTACAGGCCTGA  
Consensus (151) AG GAGGAGGTGGAGGCCACCAC GTGGTGA TGGTTCTACAGGCC GA  
201 250

human beta 3 ORF (201) GGGCGGTAAAGATTTTCCTTATTTACGAGTATCGGAATGGCCACCAGGAGG  
Rat Beta 3 ORF (201) GGGCGGTAAAGATTTTCCTTATATATGAGTATCGGAATGGCCACCAGGAAG  
Consensus (201) GGGCGGTAAAGATTTTCCTTAT TA GAGTATCGGAATGGCCACCAGGA G  
251 300

human beta 3 ORF (251) TGGAGAGCCCCCTTTCAGGGGCGCCTGCAGTGGAAATGGCAGCAAGGACCTG  
Rat Beta 3 ORF (251) TGGAGAGCCCCCTTCCAAGGCGCTCTGCAGTGGAAATGGGAGCAAGGACCTG  
Consensus (251) TGGAGAGCCCCCTT CA GG CG CTGCAGTGGAAATGG AGCAA GACCTG  
301 350

human beta 3 ORF (301) CAGGACGTGTCCATCACTGTGCTCAACGTCACCTCTGAACGACTCTGGCCT  
Rat Beta 3 ORF (301) CAGGACGTATCCATCACTGTACTCAATGTCACTTTGAATGACTCTGGCCT  
Consensus (301) CAGGACGT TCCATCACTGT CTCAA GTCAC TGA GACTCTGGCCT  
351 400

human beta 3 ORF (351) CTACACCTGCAATGTGTCCCGGAGTTTGAGTTTGAGGCGCATCGGCCCT  
Rat Beta 3 ORF (351) CTACACATGCAATGTGTCCCGGAGTTTGAATTCGAGGCACACAGGCCCT  
Consensus (351) CTACAC TGCAATGTGTCC GGGAGTT GA TT GAGGC CA GGCC T  
401 450

human beta 3 ORF (401) TTGTGAAGACGACGCGCTGATCCCCCTAAGAGTCACCGAGGAGGCTGGA  
Rat Beta 3 ORF (401) TTGTGAAGACGACGAGACTGATACCTTTGCGAGTCACTGAAGAGGCGGGA  
Consensus (401) TTGTGAAGAC ACG G CTGAT CC T GAGTCAC GA GAGGC GGA  
451 500

human beta 3 ORF (451) GAGGACTTCACCTCTGTGGTCTCAGAAATCATGATGTACATCCTTCTGGT  
Rat Beta 3 ORF (451) GAAGACTTCACCTCCGTGGTCTCGGAAATCATGATGTACATCCTTCTGGT  
Consensus (451) GA GACTTCACCTC GTGGTCTC GAAATCATGATGTACATCCT CTGGT  
501 550

human beta 3 ORF (501) CTTCTCACCTGTGGCTGCTCATCGAGATGATAATTGCTACAGAAAGG  
Rat Beta 3 ORF (501) CTTCTCACCTGTGGCTGTTTATTGAGATGATCTATTGCTACAGAAAGG  
Consensus (501) CTTCTCACCT GTGGCTG T AT GAGATGAT TATTGCTACAGAAAGG  
551 600

human beta 3 ORF (551) TCTCAAAAGCCGAAGAGGCAGCCCAAGAAAACGCGTCTGACTACCTTGCC  
Rat Beta 3 ORF (551) TCTCAAGGCCGAAGAGGCAGCACAGGAAAATGCGTCTGACTACCTTGCT  
Consensus (551) TCTC AA GCCGAAGAGGCAGC CA GAAAA GCGTCTGACTACCTTGCT  
601 648

human beta 3 ORF (601) ATCCCATCTGAGAACAAGGAGAACTCTGCGGTACCAGTGGAGGAATAG  
Rat Beta 3 ORF (601) ATCCCTTCAGAGAACAAGGAGAACTCTGTGGTACCTGTGGAGGAATAA  
Consensus (601) ATCCC TC GAGAACAAGGAGAACTCTG GGTACC GTGGAGGAATA

T02T0T = 022200

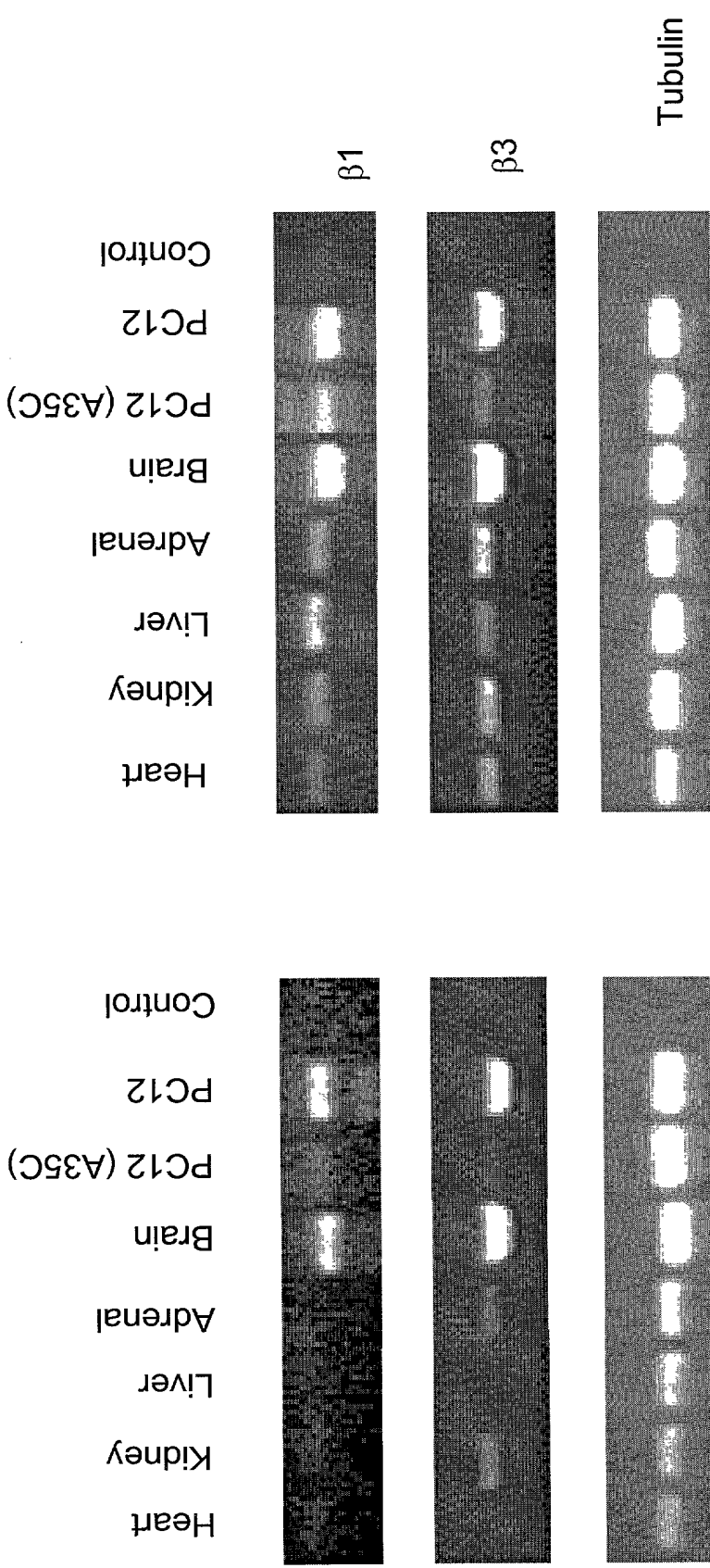
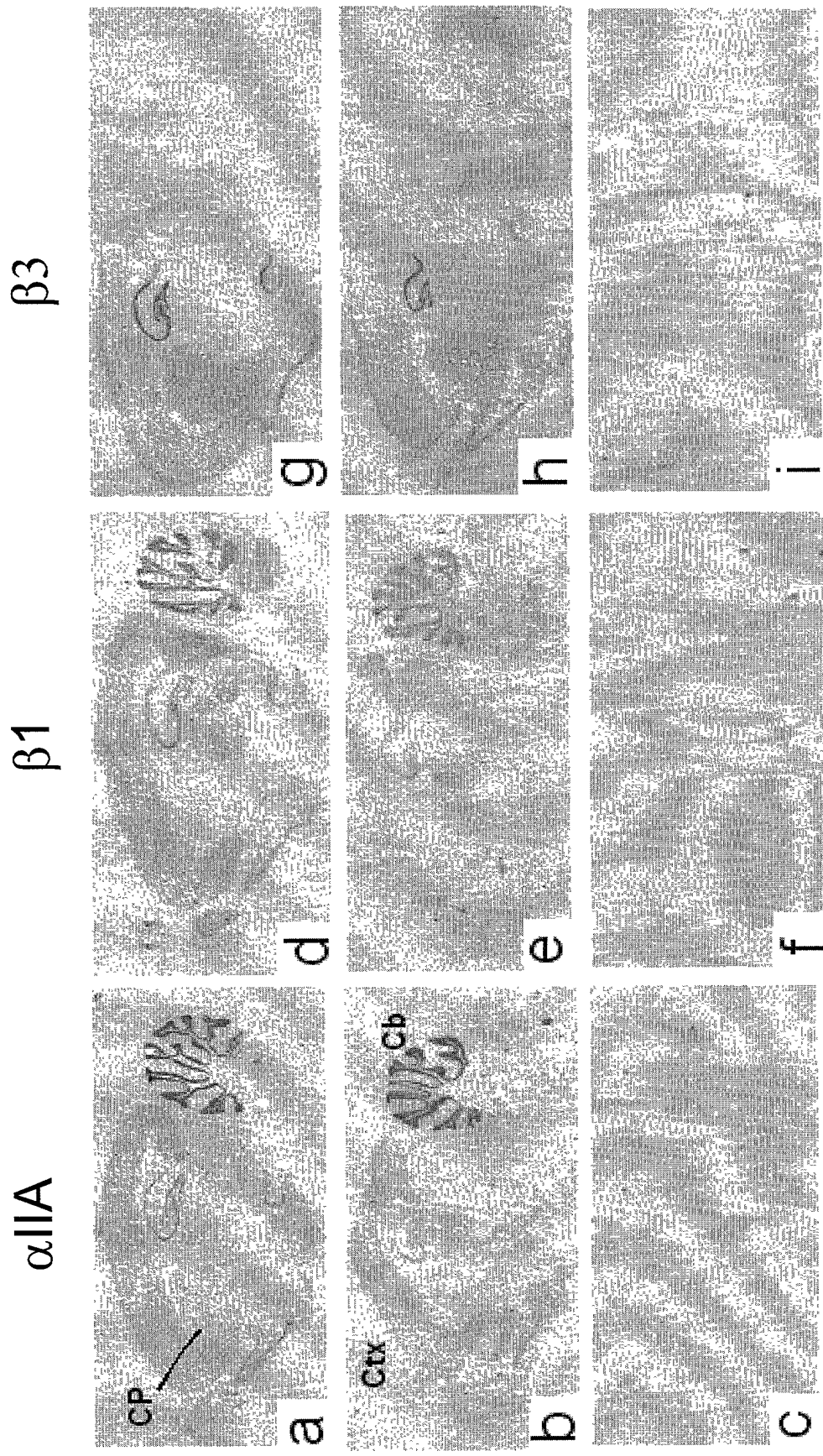


Figure 2

Figure 3





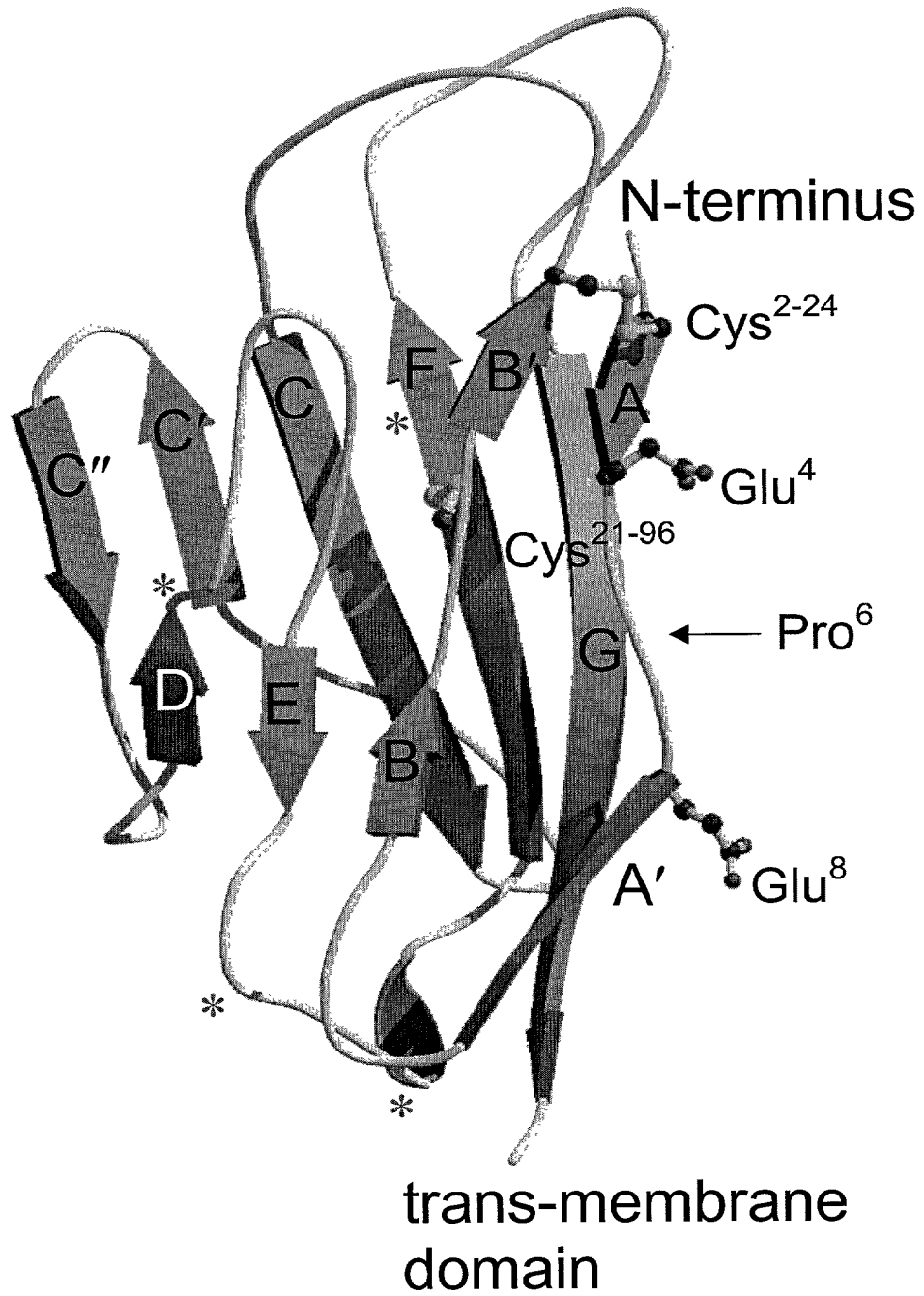
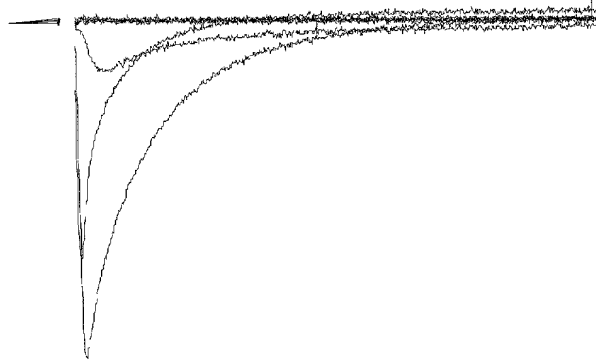


Figure 5

Figure 6

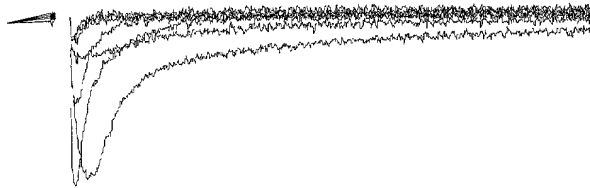
a

 $\alpha-2$ 

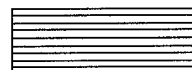
b

 $\alpha-2 + \beta-1$ 

c

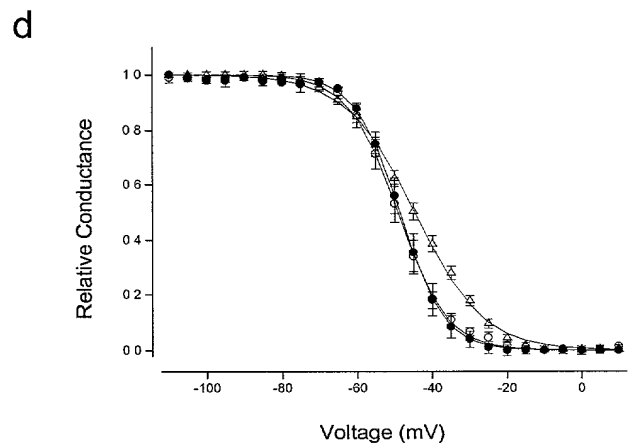
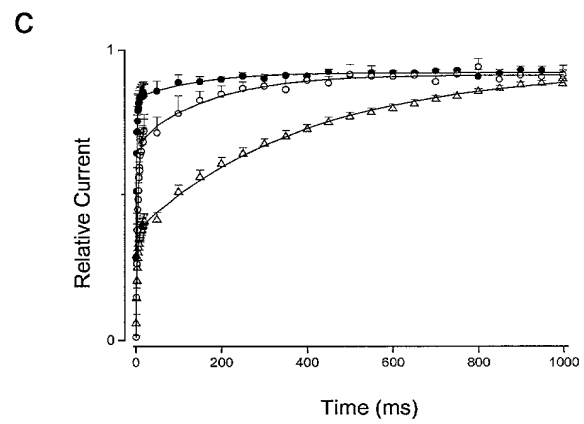
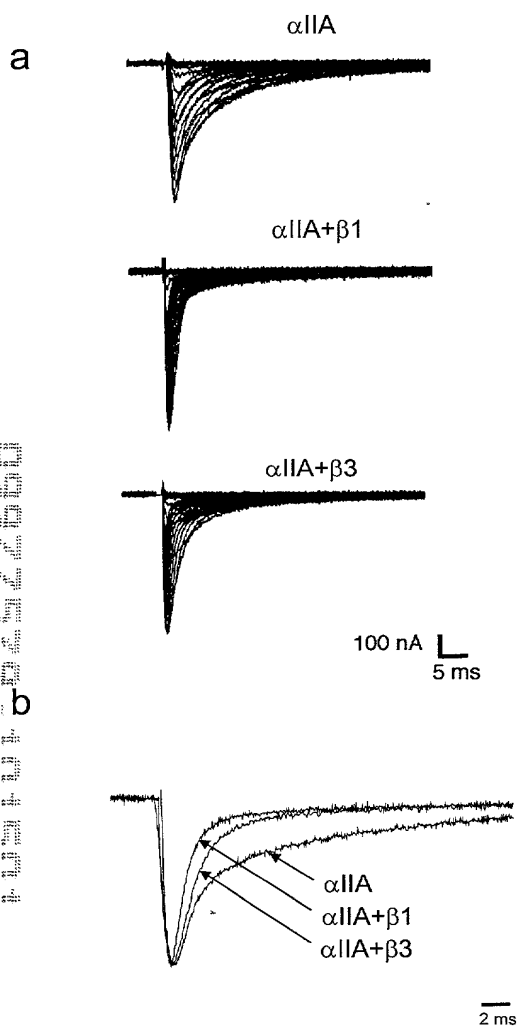
 $\alpha-2 + \beta-3$ 

100 nA



30

100 nA 5 ms



**Figure 7**

$\Delta$ :  $\alpha\text{IIA}$   
 $\bullet$ :  $\alpha\text{IIA}+\beta 1$   
 $\circ$ :  $\alpha\text{IIA}+\beta 3$